

ECS/EMD Configuration Change Request

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Page(s)

1. Originator Henry Baez	2. Log Date: 01/13/04	3. CCR #: 04-0017	4. Rev: —	5. Tel: 301-925-1025	6. Rm #: 3108G	7. Org. COTS HW
8. CCR Title: Replace Gig Ethernet Interface on GDAAC firewall with PVC Gig Ethernet Interface.						
9. Originator Signature/Date Henry Baez /s/ 1/12/04			10. Class II	11. Type: CCR	12. Need Date: 1/14/2003	
13. CCR Sponsor Signature/Date Pamela Johnson /s/ 1/18/04			14. Category of Change: Other		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist):			17. Schedule Impact:		18. CI(s) Affected: N/A	
19. Release Affected by this Change: N/A		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 38866						
23. Problem: (use additional Sheets if necessary) Installing second firewall it was found that the cable that connect to MODAPS did not show a link light nor could we ping MODAPS. This 50-micron cable is the same used to connect MODAPS to the firewall and that is no problem with it. Replaced patch core and updated second firewall interface drivers. Looked at interface firmware, but it is current. Same interface will establish a link with GDAAC hosts and we can ping back and forth. We have no test gear to correctly test link to see if the length is too long and loss is too much for the second firewall installed interface.						
24. Proposed Solution: (use additional sheets if necessary) The PVC firewall has two interfaces of the same type as the ones used by MODAPS flows currently in the GDAAC first firewall. The two PVC interfaces are the HiPPI replacement Gig Ethernet. They are not in used at this time. Take out the two HiPPI replacements Gig Ethernet interface and install them in place of current Gig Ethernet on GDAAC second firewall. See if we have a link and can ping MODAPS server. If we can this information will be provided to IBM for an explanation.						
25. Alternate Solution: (use additional sheets if necessary) Buy, rent, or borrow an Optical Time Domain Reflectometer (OTDR) to properly troubleshoot the whole link.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Second firewall is not usable currently. No other troubleshooting options at this time with current tools.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Abdollah Abtahi /s/ 1/15/04			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			